

Old Mine, All Mine

by Arya Akhavan (July 2013)

Angles for R.I. = 1.650

57 + 16 girdles = 73 facets

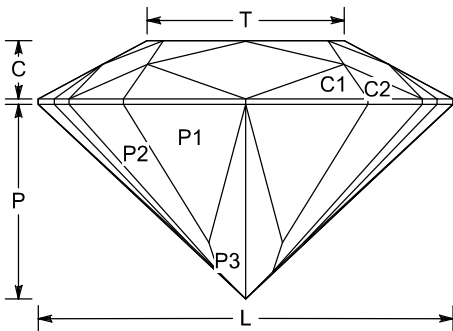
4-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.475 U/W = 0.475

P/W = 0.469 C/W = 0.140

Vol./W³ = 0.223



PAVILION

P1	43.86°	02-22-26-46-50-70-74-94	Cut to centerpoint.
P2	42.40°	04-20-28-44-52-68-76-92	Meet at culet.
G1	90.00°	02-22-26-46-50-70-74-94	Set stone size.
G2	90.00°	04-20-28-44-52-68-76-92	Level girdle.
P3	43.20°	01-23-25-47-49-71-73-95	Meet P1, G1

CROWN

C1	34.14°	02-22-26-46-50-70-74-94	Set girdle width.
C2	33.20°	04-20-28-44-52-68-76-92	Level girdle.
C3	28.23°	96-24-48-72	Meet G1, C1
C4	23.53°	12-36-60-84	Meet G2, C2
C5	20.64°	03-21-27-45-51-69-75-93	Meet C1, C2, C3, C4
T	0.00°	Table	Meet C3, C5; C4, C5

I was taking a look at old-style classic gems, and stumbled on the crown design of what's supposedly "the" characteristic Old Mine pattern. I wanted to see what the fuss was about, so I wrote my own similar design.

Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but I prefer it in hiddenite.

Suggested size = 6-12 mm

C:\Users\ARYADE~1\Pictures\DESIGN~1\WORKSI~1\34OLDM~1.GEM